

Stephen Small, New York University, New York City: "How Gene Regulation Mechanisms Establish Body Plans in Developing Embryos"

ABSTRACT: Temporal and spatial patterns of gene expression foreshadow the formation and positioning of specific structures along the major body axes of developing embryos. We study the network of genetic interactions that controls body plan formation, using the fruit fly as a model system. These studies have led to the discovery of gene regulatory processes that seem to function throughout the animal kingdom.